

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	8	(US-20060048850-\$). did. or (US-6003603-\$ or US-3969781-\$ or US- 3568737-\$ or US- 5697732-\$ or US- 6517290-\$ or US- 5431589-\$ or US- 5044297-\$).did.	US-PGPUB; USPAT	OR	OFF	2010/01/27 16:49
L3	24	(US-20050042035-\$ or US-20050039665-\$ or US-20040115005-\$ or US-20030226373-\$ or US-20020174662-\$). did. or (US-6692192-\$ or US-6655155-\$ or US- 6546739-\$ or US- 6517290-\$ or US- 6094937-\$ or US- 6003603-\$ or US- 5983931-\$ or US- 5878814-\$ or US- 5697732-\$ or US- 5651708-\$ or US- 5628657-\$ or US- 5553976-\$ or US- 5380229-\$ or US- 5339760-\$ or US- 5305703-\$ or US- 5025860-\$ or US- 4826354-\$ or US- 4718459-\$ or US- 4188157-\$).did.	US-PGPUB; USPAT	OR	OFF	2010/01/27 16:49
L4	5	2 not 3	US-PGPUB; USPAT	OR	OFF	2010/01/27 16:49
S1	1	"5983931".pn.	US-PGPUB; USPAT	OR	OFF	2010/01/13 13:36

S2	24	("20020174662"   "20030226373"   "20040115005"   "20050039665"   "20050042035"   "4188157"   "4718459"   "4826354"   "5025860"   "5305703"   "5339760"   "5380229"   "5553976"   "5628657"   "5651708"   "5697732"   "5878814"   "5983931"   "6003603"   "6094937"   "6517290"   "6546739"   "6655155"   "6692192").PN.	US-PGPUB; USPAT	OR	OFF	2010/01/13 13:38
S3	19	("3557396"   "3590407"   "4892495"   "5025960"   "5878814").PN. OR ("6003603").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:42
S4	49	("3258793"   "4490121"   "4604961").PN. OR ("4892495").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:44
S5	3	("3258793").URPN.	USPAT	OR	OFF	2010/01/13 13:59
S6	82	S2 S3 S4 S5	USPAT	OR	OFF	2010/01/13 14:04
S7	9	S6 and (recirculate loop circulate)	USPAT	OR	OFF	2010/01/13 14:04
S8	72	niesz	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:14
S9	26535	"141".clas.	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:16
S10	166430	(bouy ship ocean sea)	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:16
S11	641	S9 and S10	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:16
S12	1169	141/1.ccls.	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:33
S13	448	141/387.ccls.	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:33
S14	638	141/82.ccls.	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:33
S15	422	141/231.ccls.	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:33

S16	189	141/388.ccls.	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:33
S24	1108	S12 not S10	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:38
S25	167538	S12 S10	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:56
S26	61	S12 and S10	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:56
S27	167538	S12 or S10	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:56
S28	1749	S12 S11	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:56
S29	309	S13 not S28	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:56
S30	2058	S13 S28	US-PGPUB; USPAT	OR	OFF	2010/01/13 16:00
S31	590	S14 not S30	US-PGPUB; USPAT	OR	OFF	2010/01/13 16:01
S32	2648	S14 S30	US-PGPUB; USPAT	OR	OFF	2010/01/13 16:10
S33	328	S15 not S32	US-PGPUB; USPAT	OR	OFF	2010/01/13 16:11
S34	2976	S15 S32	US-PGPUB; USPAT	OR	OFF	2010/01/13 16:15
S35	120	S16 not S32	US-PGPUB; USPAT	OR	OFF	2010/01/13 16:15
S36	566	441/3-5.ccls.	US-PGPUB; USPAT	OR	OFF	2010/01/26 13:47
S37	449	62/50.1.ccls.	US-PGPUB; USPAT	OR	OFF	2010/01/26 13:55
S38	263	114/230.1.ccls.	US-PGPUB; USPAT	OR	OFF	2010/01/26 13:56
S39	133	114/230.12.ccls.	US-PGPUB; USPAT	OR	OFF	2010/01/26 13:56
S40	30	114/234.ccls.	US-PGPUB; USPAT	OR	OFF	2010/01/26 13:56
S41	337	405/224.2.ccls.	US-PGPUB; USPAT	OR	OFF	2010/01/26 13:56
S42	60	405/224.3.ccls.	US-PGPUB; USPAT	OR	OFF	2010/01/26 13:56
S43	449	S37 not S36	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:13
S44	1015	S37 S36	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:43
S45	215	S38 not S44	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:43

S46	119	114/230.13.ccls.	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:45
S47	494	S38 S39 S46	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:45
S48	344	S47 not S44	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:45
S49	382	S41 S42	US-PGPUB; USPAT	OR	OFF	2010/01/26 16:30
S50	121	405/224.4.ccls	US-PGPUB; USPAT	OR	OFF	2010/01/26 16:31
S51	463	S41 S42 S50	US-PGPUB; USPAT	OR	OFF	2010/01/26 16:31
S52	1359	S47 S44	US-PGPUB; USPAT	OR	OFF	2010/01/26 16:44
S53	432	S51 not S52	US-PGPUB; USPAT	OR	OFF	2010/01/26 16:44
S54	1791	S51 S52	US-PGPUB; USPAT	OR	OFF	2010/01/26 17:06
S55	1070372	(circulation circulate circulates recirculation recirculates recirculate loop jumper)	US-PGPUB; USPAT	OR	OFF	2010/01/26 17:07
S56	311	S54 and S55	US-PGPUB; USPAT	OR	OFF	2010/01/26 17:07
S57	126	(US-20090266087-\$ or US-20080308174-\$ or US-20080236703-\$ or US-20080011357-\$ or US-20070095427-\$ or US-20070074786-\$ or US-20070029008-\$ or US-20060075762-\$ or US-20060048850-\$ or US-20040099337-\$ or US-20030084961-\$ or US-20030084960-\$ or US-20020134455-\$ or US-20090264033-\$ or US-20090209154-\$ or US-20080214072-\$ or US-20080182467-\$ or US-20080166936-\$ or US-20080138159-\$ or US-20080096448-\$ or US-20070264889-\$ or US-20070202758-\$ or US-20070155260-\$ or US-20070128957-\$ or US-20030224674-\$ or US-20040076478-\$). did. or (US- 20040042856-\$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 17:23

20020054789-\$ or US-  
20090272126-\$). did.  
or (US-4892495-\$ or  
US-5878814-\$ or US-  
7614927-\$ or US-  
7510452-\$ or US-  
6109989-\$ or US-  
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3258793-\$ or US-  
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7293600-\$ or US-  
6457536-\$ or US-  
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7147021-\$ or US-  
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6415828-\$ or US-  
5755531-\$ or US-  
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4907912-\$). did. or (US-  
4741716-\$ or US-  
4735167-\$ or US-  
4639228-\$ or US-  
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3674062-\$ or US-  
3664388-\$ or US-  
3648311-\$ or US-  
3595278-\$ or US-  
3568737-\$ or US-  
3236267-\$). did. or (US-  
3236266-\$ or US-

		3535883-\$ or US 3519036-\$ or US 3519034-\$ or US 4279543-\$ or US 3367355-\$ or US 7451718-\$ or US 7438617-\$ or US 6769376-\$ or US 6685519-\$ or US 6631745-\$ or US 6595154-\$ or US 6558215-\$ or US 6517290-\$ or US 6394154-\$ or US 6332500-\$ or US 6199500-\$ or US 6155193-\$ or US 6053787-\$ or US 6050747-\$ or US 5941746-\$ or US 5823837-\$ or US 5823131-\$ or US 5515803-\$ or US 5509838-\$ or US 5456622-\$ or US 5431589-\$).did. or (US- 5380229-\$ or US 5266061-\$ or US 5205768-\$ or US 5044297-\$ or US 4648848-\$ or US 4580986-\$ or US 3943871-\$ or US 3735435-\$ or US 3465374-\$ or US 4372332-\$ or US 5927224-\$ or US 6461083-\$ or US 6253855-\$ or US 6027286-\$ or US 7179144-\$ or US 4637335-\$).did. or (US- 3258793-\$).did.				
S58	27	S57 and S55	US-PGPUB; USPAT	OR	OFF	2010/01/26 17:23
S59	1	"5983931".pn.	US-PGPUB; USPAT	OR	OFF	2010/01/26 17:37
S60	22	S57 and (insulation)	US-PGPUB; USPAT	OR	OFF	2010/01/26 17:42

S61	125	(US-20090266087-\$ or US-20080308174-\$ or US-20080236703-\$ or US-20080011357-\$ or US-20070095427-\$ or US-20070074786-\$ or US-20070029008-\$ or US-20060075762-\$ or US-20060048850-\$ or US-20040099337-\$ or US-20030084961-\$ or US-20030084960-\$ or US-20020134455-\$ or US-20090264033-\$ or US-20090209154-\$ or US-20080214072-\$ or US-20080182467-\$ or US-20080166936-\$ or US-20080138159-\$ or US-20080096448-\$ or US-20070264889-\$ or US-20070202758-\$ or US-20070155260-\$ or US-20070128957-\$ or US-20030224674-\$ or US-20040042856-\$). did. or (US- 20020054789-\$ or US- 20090272126-\$).did. or (US-4892495-\$ or US-5878814-\$ or US- 7614927-\$ or US- 7510452-\$ or US- 6109989-\$ or US- 6003603-\$ or US- 5950732-\$ or US- 5564957-\$ or US- 5545065-\$ or US- 3258793-\$ or US- 3838720-\$ or US- 7293600-\$ or US- 6457536-\$ or US- 7464734-\$ or US- 7360367-\$ or US- 7318319-\$ or US- 7174931-\$ or US- 7147021-\$ or US- 6976443-\$ or US- 6973948-\$ or US- 6932121-\$ or US- 6763862-\$ or US- 6415828-\$ or US- 5755531-\$ or US- 5697732-\$ or US- 4907912-\$).did. or (US- 4741716-\$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 17:53
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4735167-\$ or US  
4639228-\$ or US  
4501525-\$ or US  
4478586-\$ or US  
4321720-\$ or US  
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		5044297-\$ or US- 4648848-\$ or US- 4580986-\$ or US- 3943871-\$ or US- 3735435-\$ or US- 3465374-\$ or US- 4372332-\$ or US- 5927224-\$ or US- 6461083-\$ or US- 6253855-\$ or US- 6027286-\$ or US- 7179144-\$ or US- 5983931-\$).did. or (US- 3258793-\$).did.				
S62	33	S61 and (cryogen cryogenic lng cng liquefied)	US-PGPUB; USPAT	OR	OFF	2010/01/26 17:53
S63	23	S62 and (pipes conduits)	US-PGPUB; USPAT	OR	OFF	2010/01/26 18:00
S64	39	S61 and manifold	US-PGPUB; USPAT	OR	OFF	2010/01/26 18:13
S65	2	"7438617".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JFO; DERWENT; IBM_TDB	OR	OFF	2010/01/26 18:19

**EAST Search History (Interference)**

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1/ 27/ 2010 4:55:56 PM

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